

**Ruirside Developments Limited**

## Parkgate Street Blocks B1 and C

Transport Statement

Reference: PGATE-ARUP-ZZ-XX-EP-CH-0002

Issue | 22 November 2024

This report takes into account the particular instructions and requirements of our client. It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party.




Job number 265381-19

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# 1. Introduction

Planning permission was granted in 2020 (ABP Ref. 306569-20) at the site for 321 no. Build-to-Rent (BTR) residential units, ancillary residents' amenity facilities, commercial office space, retail space and café/restaurant accommodated in 5no. blocks ranging from 8 to 13 storeys over ancillary basement area, and all associated and ancillary conservation, landscaping and site development works (with amendments to car parking, basement and undercroft approved by the Board under s.146B (ABP 311507-21 refers), this permission is due to wither in 2025. In the eastern apex of the site, permission was also ultimately granted for a 30-storey Block A tower in 2021 under ABP Ref. 310567-21 which comprises 198 residential units resulting in an overall number of 519 units accommodated on site. A further application for the change of use for Block B2 from commercial office space to 40 number residential units was granted permission in 2023 under DCC Reg. Ref. LRD6042/23.

The planning application, for which this traffic report forms part of, seeks a new permission for Block B1 and Block C ranging in height from 8 to 13 storeys with basement and undercroft, and including: 316no. apartments (178no. 1-bed units and 138no. 2-bed units). These blocks remain largely as per the previously consented development, with amendments made to comply with Dublin City Council Development Plan 2022-2028. The proposed development, for the purposes of this report, is considered in the context of the application site in its entirety, comprising the proposed development (i.e. revised Blocks B1 & C) and the same associated demolition, conservation, site works, landscape and boundary works and development previously permitted under 306569-20 (as amended). It is further considered in the context of ABP Ref. 310567-21 as amended by DCC Reg. Ref. LRD6042/23 (Block A and B2). This will collectively be referred to as "the development".

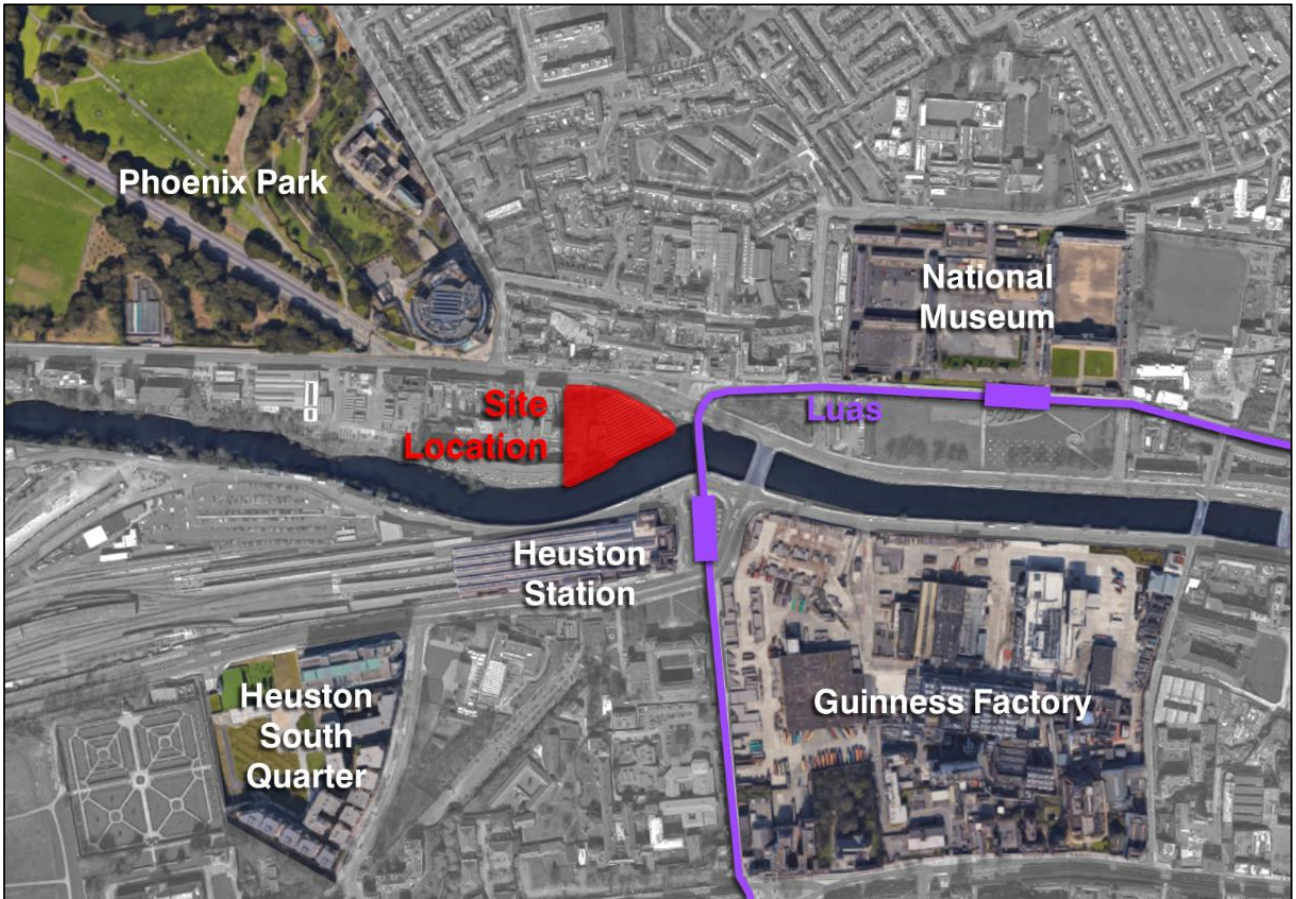
As this is a transport-oriented development, the design focuses on encouraging sustainable transport trips such as walking, cycling, rail, Luas and bus trips. As such, a very low number of car parking spaces will be provided. The expected effect on the surrounding traffic network is therefore minimal, and thus it was agreed with DCC that a full Transport Impact Assessment was not required.

## 2. Existing Receiving Environment

### 2.1 Overview

The site of the overall development is located in the west of Dublin City Centre and occupies 0.82 hectares of land along north edge of the River Liffey.

The site is bounded by Parkgate Street to the north, Parkgate Business Centre to the west, and the River Liffey to the south. Heuston Station lies directly across the river to the south, and the main entrance to Phoenix Park lies approximately 250m to the west of the site. The site had previously been in use by Hickeys as its wholesale warehouse.



**Figure 1 Site Location**

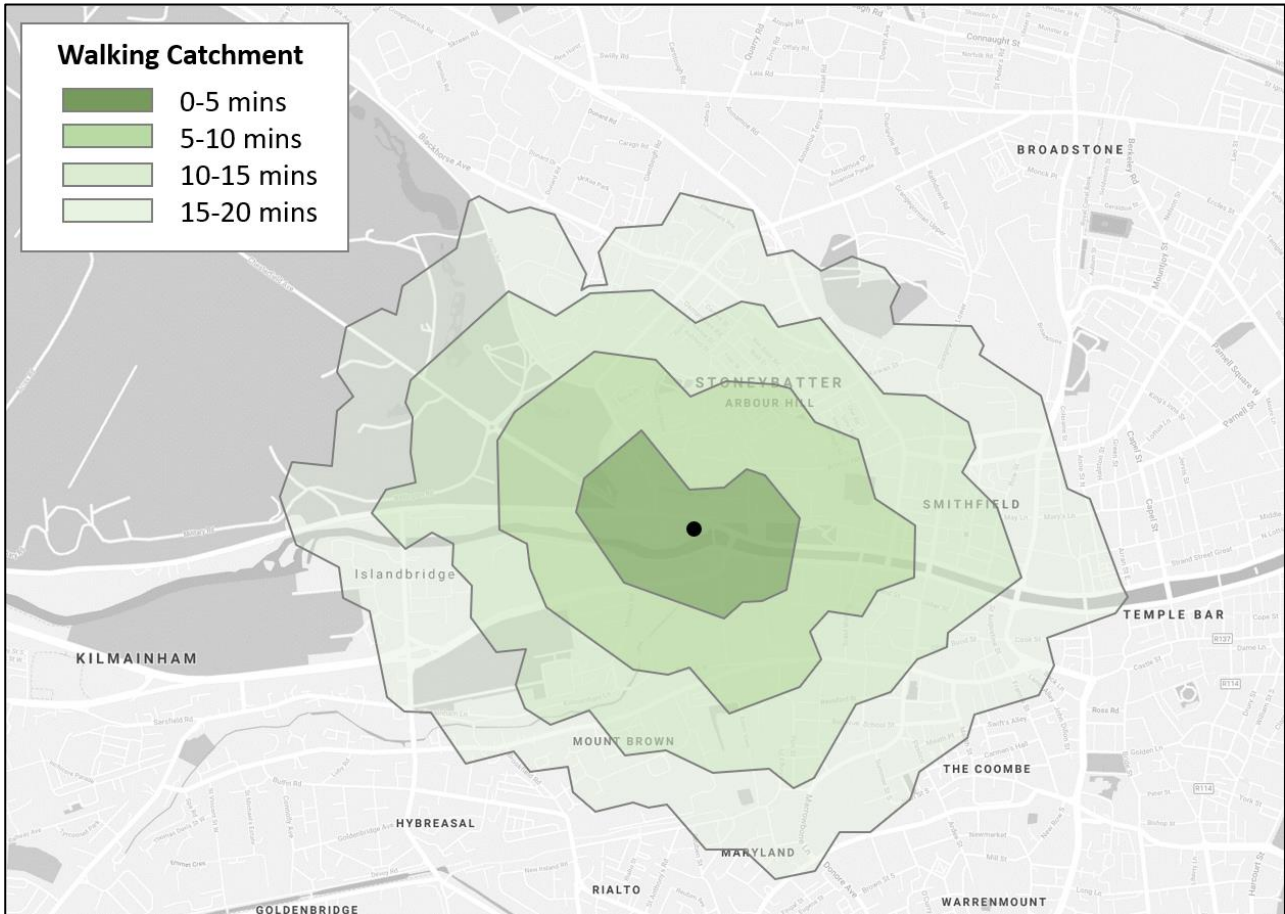
## **2.2 Pedestrian Accessibility**

A pedestrian footpath runs along the northern end of the site which runs along Parkgate Street connecting to Phoenix Park and Conyngham Road to the west, and along the northern bank of the Liffey into the city to the east. Sean Heuston Bridge provides a connection across the Liffey to Heuston Station and Heuston South Quarter to the southwest.

This site lies within the city, so there is naturally a very high degree of walkability to/from the surrounding area. Figure 2 shows the walking catchment of the site, this shows that areas such as Temple Bar, The Liberties, Grangegorman, and Kilmainham are within a 20-minute walk of the site.

Despite the generally good quality of the pedestrian network in the wider vicinity of the site, it has been noted that there is limited capacity for pedestrian movements along Sean Heuston Bridge.

A pedestrian survey was undertaken on Thursday 5<sup>th</sup> December at the bridge to ascertain the actual volumes of pedestrians using it during the day. Results show that 1,065 pedestrians use Sean Heuston Bridge between 9.00 and 10.00 in the morning and 1,181 between 18.00 and 19.00 in the evening, equating to about 18 and 20 movements per minute in average, respectively. These were found to be the periods of most activity on the bridge.



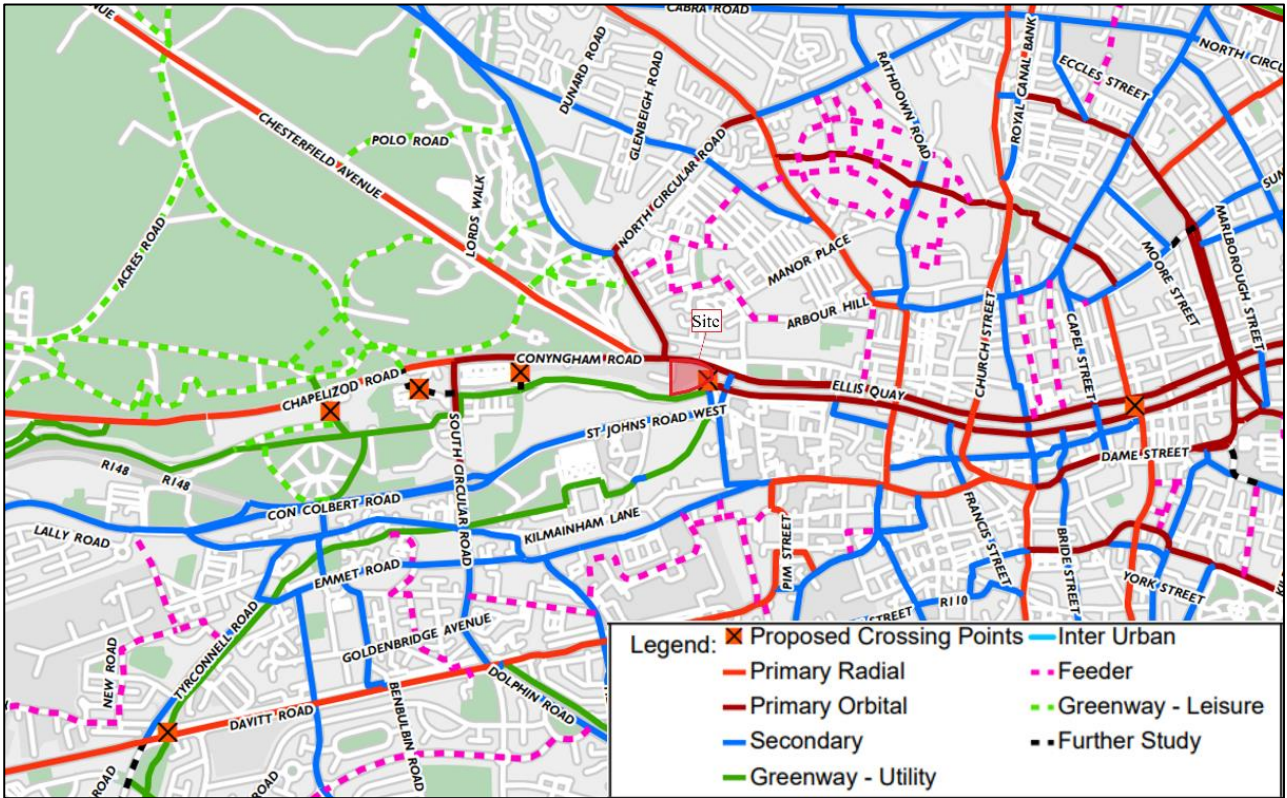
**Figure 2 Walking Catchment**

### 2.3 Cyclist Accessibility

Immediately adjacent to the development along Parkgate Street, advisory cycle lanes are provided in both directions along either side of the street. To the west, bollard protected cycle lanes are provided on Conyngham Road, starting at the entrance to Phoenix Park, with cycle facilities provided within the bus lane for the eastbound direction further to the west. Bollard protected cycle lanes are provided along both sides of Chesterfield Avenue within Phoenix Park. To the east, an advisory cycle lane is provided within the bus lane along Wolfe Tone Quay on the northern side of the River Liffey. To the south, advisory cycle lanes are provided on St John’s Road West in both directions.

This site lies along a primary orbital route in the GDA Cycle Network Plan<sup>1</sup>, which runs along Conyngham Road and along the River Liffey as far as the East Link Bridge. The Liffey Cycle Route is currently under construction, developing segregated cycle facilities on either side of the Liffey along the entirety of the River from Heuston Station/Parkgate Street to the East Link Bridge. Figure 3 presents the proposed GDA Cycle Network Plan in the vicinity of the site.

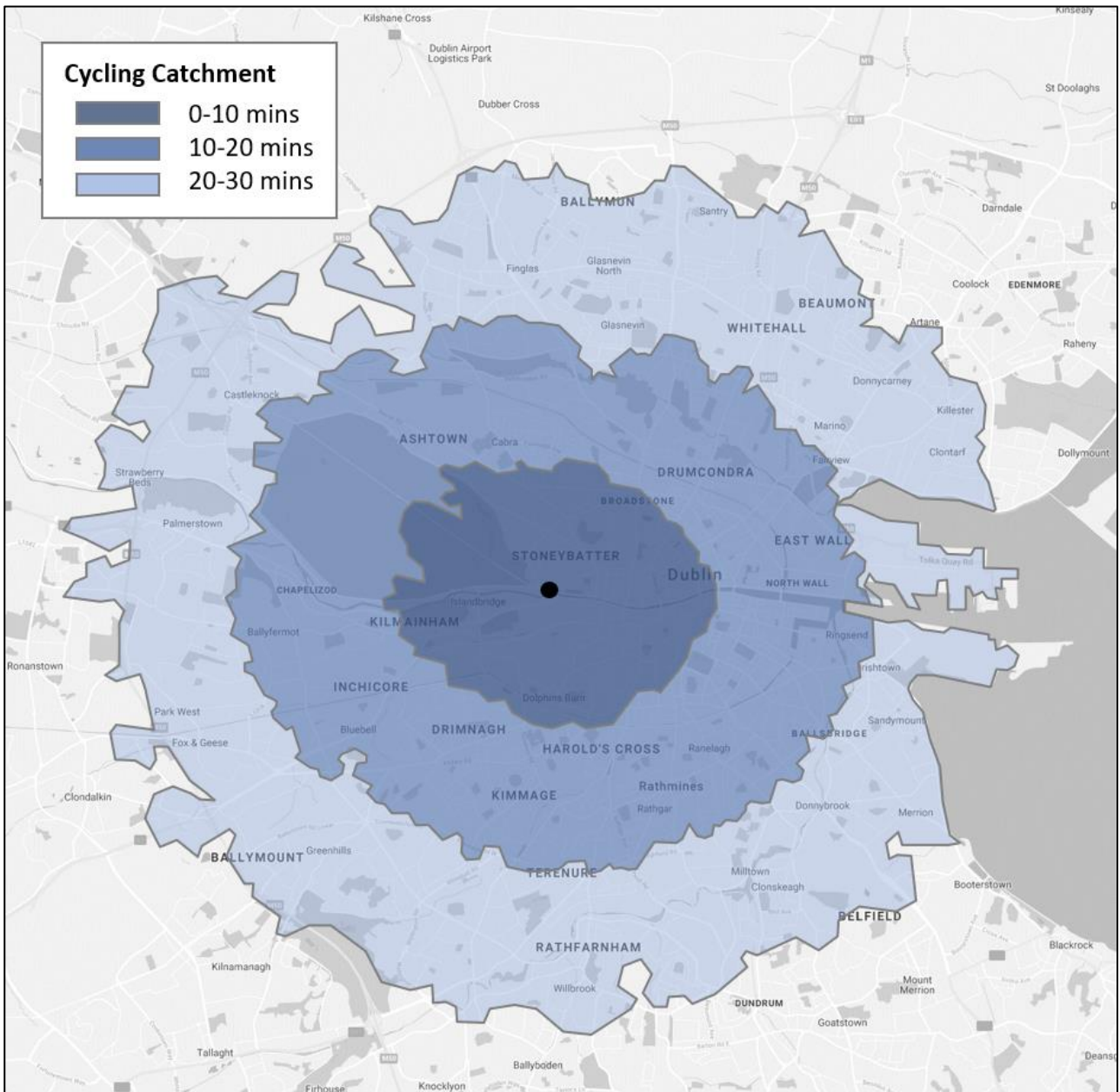
<sup>1</sup> NTA, 2022. GDA Cycle Network Plan. Available at <https://www.nationaltransport.ie/planning-and-investment/transport-investment/greater-dublin-area-cycle-network-plan/>. Accessed 19/11/2024.



**Figure 3 Extract from the GDA Cycle Network Plan**

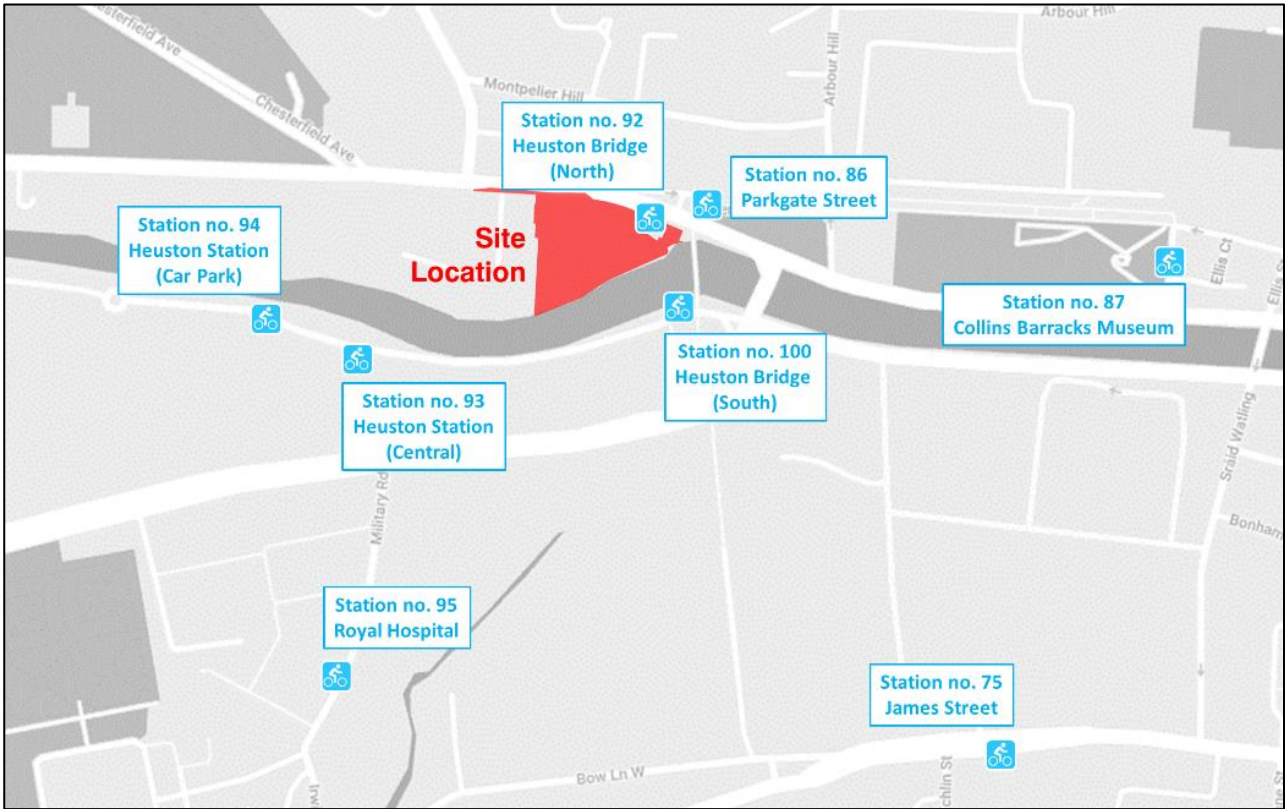
The site is easily accessible by bike, with the 20-minute catchment stretching as far as Ballymun to the north, Liffey Valley to the west, and Rathfarnham to the South. Trinity College and the TU Dublin Grangegorman campus are both accessible within 10 minutes, while UCD Belfield and DCU both are both within a 30-minute cycle. The 10-minute, 20-minute and 30-minute cycle catchment zones are shown in Figure 4.





**Figure 4 Cycling Catchment**

There are several DublinBikes stands in the vicinity of the proposed development. Station no. 92 lies directly in front of the site along Parkgate St, with Station 86 directly across the road. Station 100 is located at Heuston Station, just across the Sean Heuston Bridge. In addition, there are five other stations within ~600m of the site. The site location in the context of nearby bike stations is presented in Figure 5.



**Figure 5 Nearby DublinBikes Stations**

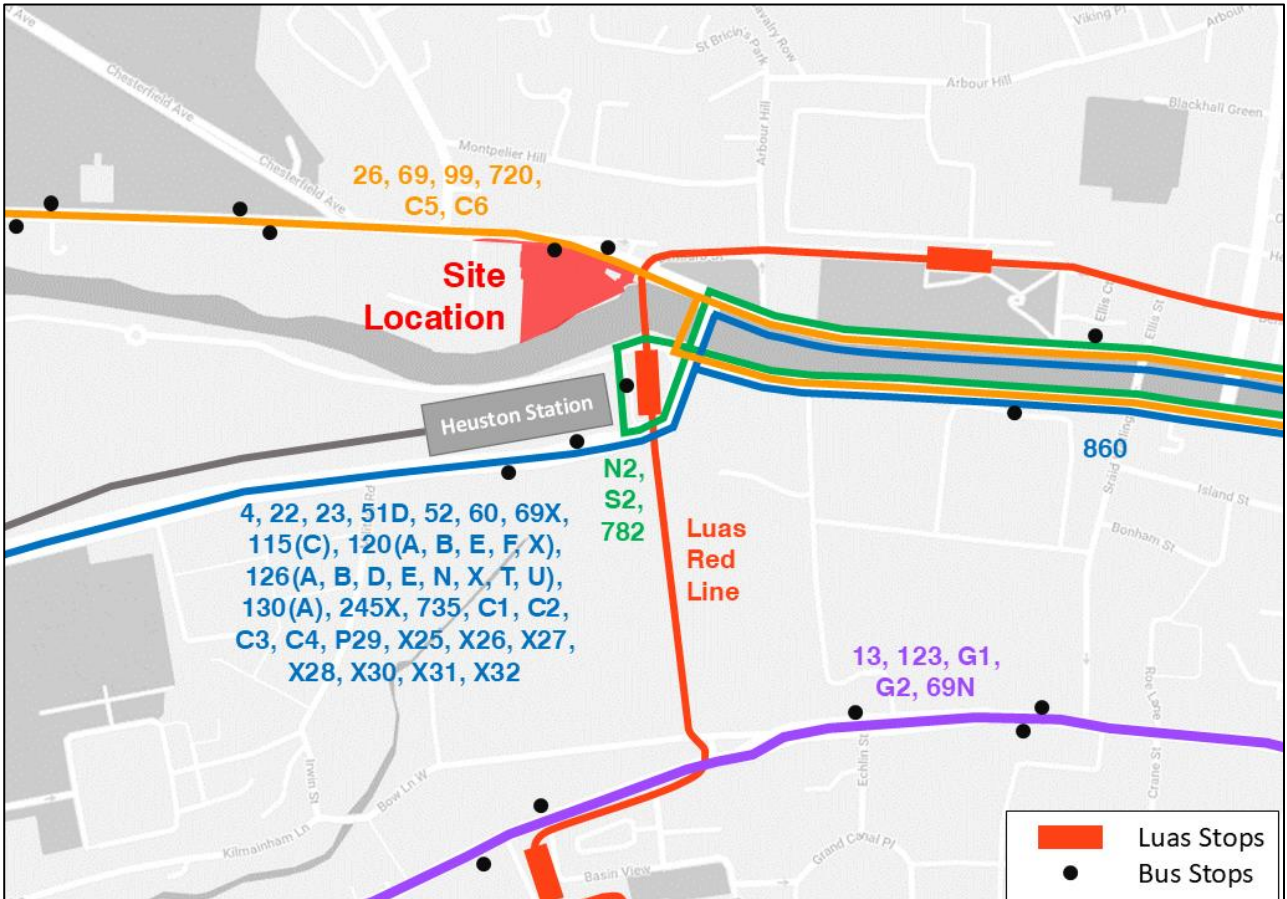
## 2.4 Public Transport Facilities

This site is very well served by public transport. Heuston Station lies directly across the River Liffey to the south, which provides regional rail connections to the west and south. The area in front of the station acts as a transport hub, with a Luas red line station, a number of local and regional bus route stops, and a DublinBikes stand all located in this area.

The Luas red line provides connections to Tallaght and Saggart in the west, and Connolly and The Point to the east.

The 26, 69, 99, 720, C5 and C6 bus routes all pass through Parkgate street, with the westbound bus stop located directly in front of the site, and the eastbound stop located across the road. The 4, 22, 23, 51D, 52, 60, 69X, 115(C), 120(A, B, E, F, X), 126(A, B, D, E, N, X, T, U), 130(A), 245X, 735, C1, C2, C3, C4, P29, X25, X26, X27, X28, X30, X31 and X32 pass along St Johns Rd W with stops just south of Heuston Station. The 145, N2, S2 and the 782 Airport Bus each terminate at Heuston station. The 145 is due to cease operation in January 2025 as part of BusConnects Phase 6a.

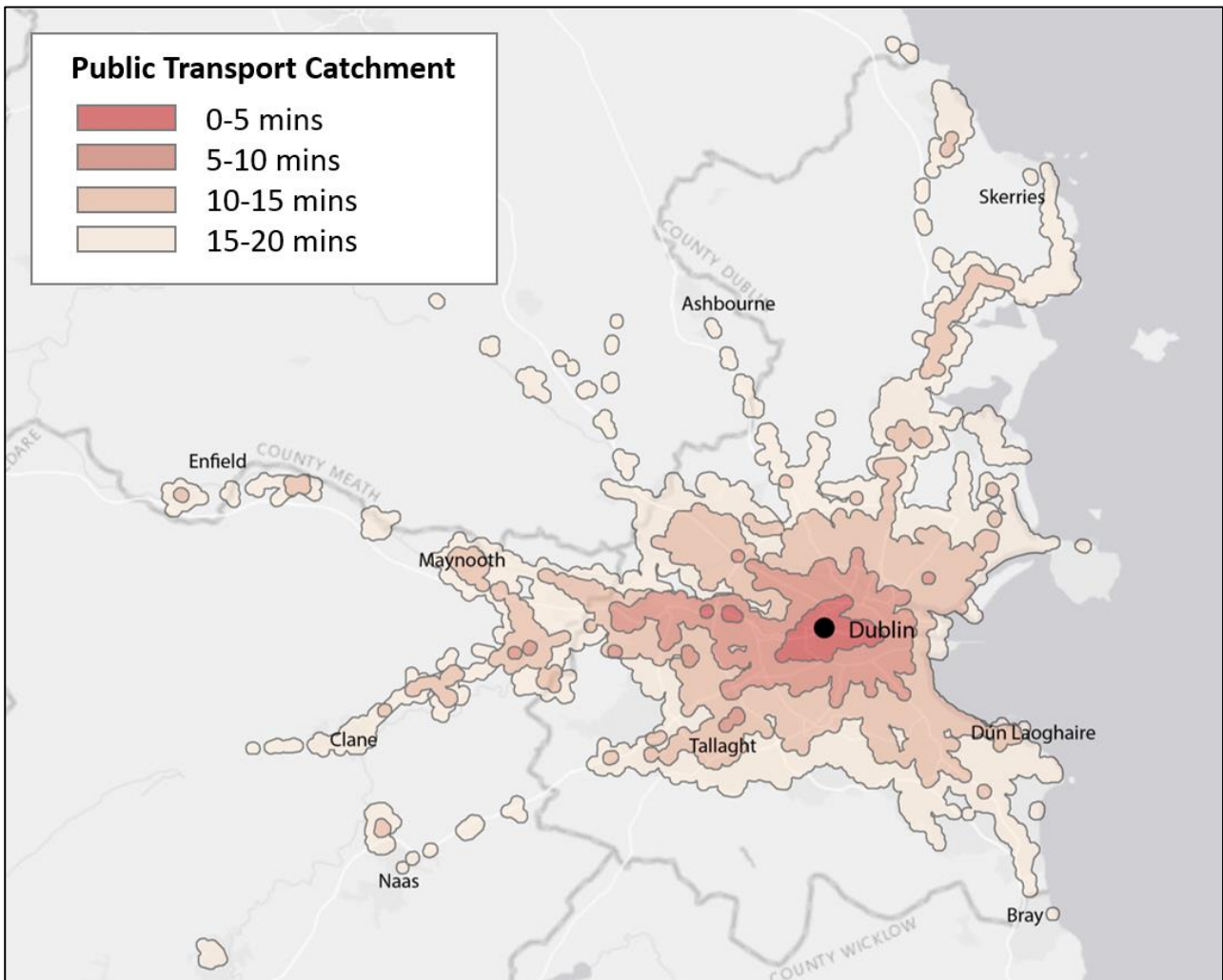
The public transport routes in the vicinity of the site are shown in Figure 6.



**Figure 6 Public Transport Options in the Vicinity of the Site**

The area is well connected to the rest of Dublin by public transport, with the 60-minute catchment spreading to Ashbourne, Balbriggan, and Skerries to the north of the city, Enfield, Kilcock, Clane, and Sallins to the west of the city, and Dalkey, Bray, Stepside, and Knocklyon to the south. The 45-minute zone covers the majority of Dublin within the M50 to the north and south, stretching to Maynooth, Celbridge and Rathcoole to the west.

The public transport catchments are presented in Figure 7.



**Figure 7 Public Transport Accessibility**

Under the Dublin Area Revised Bus Network proposals as part of BusConnects, Heuston Station will act as a major transport interchange and terminus for a number of key routes.

The inner orbital ‘O’ will run in both directions in a loop around the North Circular Road and the South Circular Road will have its terminus located at Heuston Station. The N2 northern orbital will run from Heuston Station through Stoneybatter, Cabra, Glasnevin, and on to Clontarf, and the S2 runs from Heuston through Rialto, Kimmage, Rathmines, Ranelagh, Ballsbridge, and on to Sandymount.

In addition to these orbital routes, the ‘C’ radial spine runs east/west through Heuston, which runs from Poolbeg and Sandymount in the East, to Liffey Valley, Lucan and on to Maynooth and Celbridge in the West. Other radial spines which pass close to the site include the ‘B’ Spine which will run between Blanchardstown and UCD/Dun Laoghaire, and the ‘G’ Spine which runs between Liffey Valley/Red Cow and Spencer Dock.

Two of the minor radial routes will also pass along Parkgate Street, the 14, which will run from Liffey Valley through Chapelizod into the City Centre, and then south through Rathmines to Ballinteer, and the 93 which will run from Rathcoole into the city centre and terminate in Dublin Port. The planned routes in the vicinity of the development are presented in Figure 8.

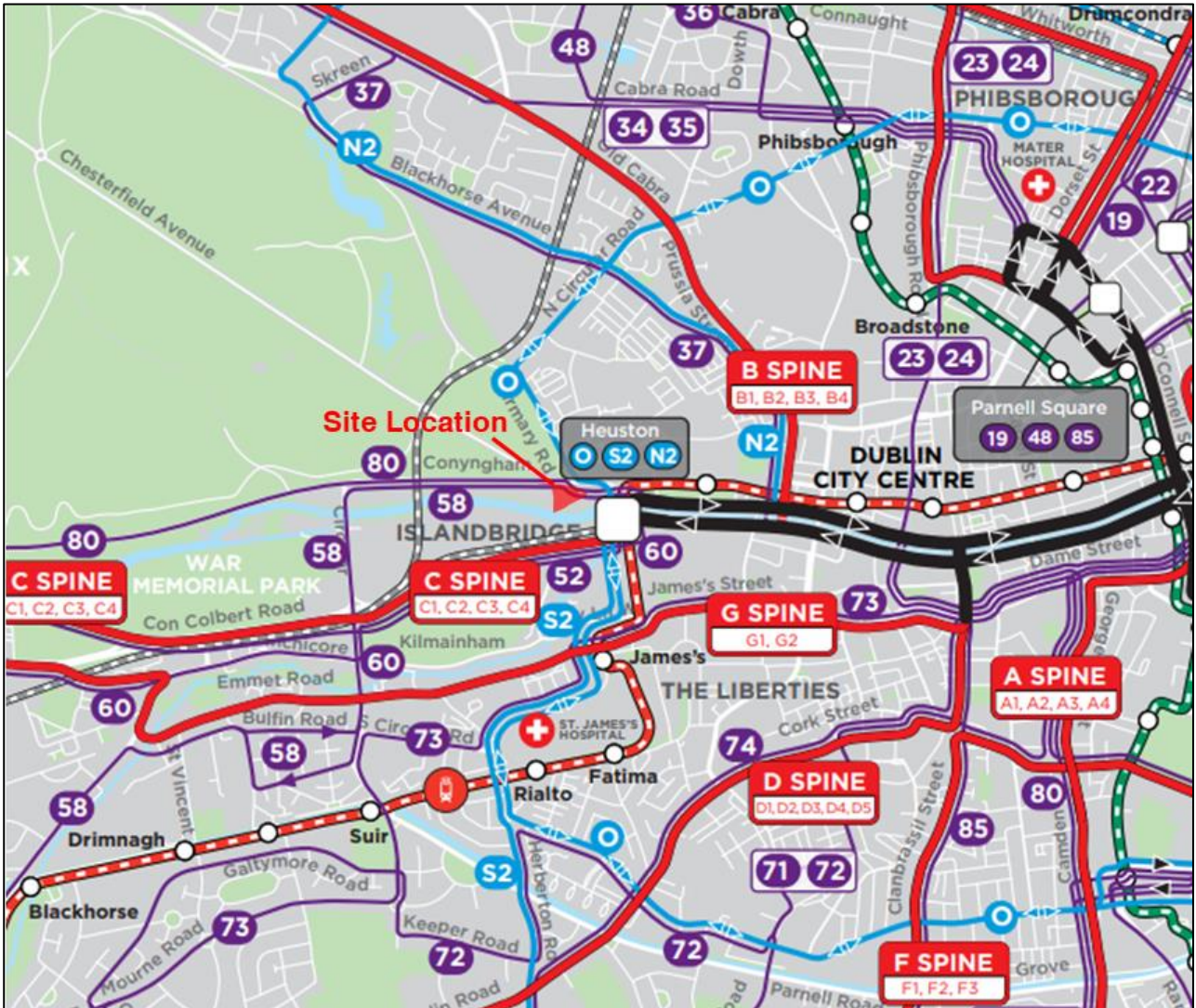


Figure 8 Extract from BusConnects Bus Network Redesign

### 3. Proposed Development

#### 3.1 Description of Development

Proposed Large-scale Residential Development comprising mixed use residential, community and commercial redevelopment, accommodated in 2no. blocks (Block B1 and Block C) ranging in height from 8 to 13 storeys with basement and under croft, and including: 316no. apartments (178no. 1-bed units and 138no. 2-bed units) with private balconies/terraces; co-working/community/cultural space available for public hire; ground level retail. And all associated and ancillary demolition, conservation, landscaping and site development works including bicycle parking; car parking; public open space; communal open space; 2no. new pedestrian site entrances at Parkgate Street, connecting to proposed public plaza and the proposed riverside amenity walkway; 1no. new vehicular access via Parkgate Street to surface areas at western edge of the site. All at No. 42A Parkgate Street, Dublin 8 (Protected Structures on site).

A loading bay is proposed to be included along Parkgate street in front of the development. To facilitate this, it is necessary to move the existing DublinBikes station to a location to be decided by DCC. The existing road layout will remain unchanged. The existing kerb line will remain mostly unchanged, except for the addition of a dropped kerb to facilitate emergency access to the courtyard.

### 3.2 Pedestrian Accessibility

As per the previously granted planning application, the eastern courtyard will be accessible to the public, allowing through access for pedestrians and providing a new public plaza with outdoor seating, landscaping, and entrances to the retail units.

A public river walk will be provided along the southern edge of the site, providing a view of the River Liffey and Heuston Station. The eastern end of the river walk will connect to the external footpath, providing more space for pedestrians at what is currently a constrained area of the footpath.

### 3.3 Cycle Parking

Volume 2, Appendix 5, Section 3.0 of the Dublin City Development Plan 2022-2028 outlines cycle parking requirements for residential developments. According to these requirements, a development should provide one long-term space per bedroom, and one short-stay/visitor space per two apartments.

As part of the previously granted planning application, 198 spaces were proposed for Block A, based on the provision 198 1-bed spaces, and 80 were proposed for Block B, based on 40 2-bed units.

Accounting for the proposed 178 1-bed units, and 138 2-bed units 456 long term cycle parking spaces are proposed for Block C, resulting in a total of 734 long term spaces across the development.

In terms of short-term/visitor spaces, the standards would require a total of 157 cycle parking spaces. However, following discussion with DCC, this requirement would be excessive and it was agreed that the provision of 30 visitor spaces will suffice. A total of 42 visitor spaces are provided, of which 30 are provided within the public courtyard, as shown in Figure 9 below.

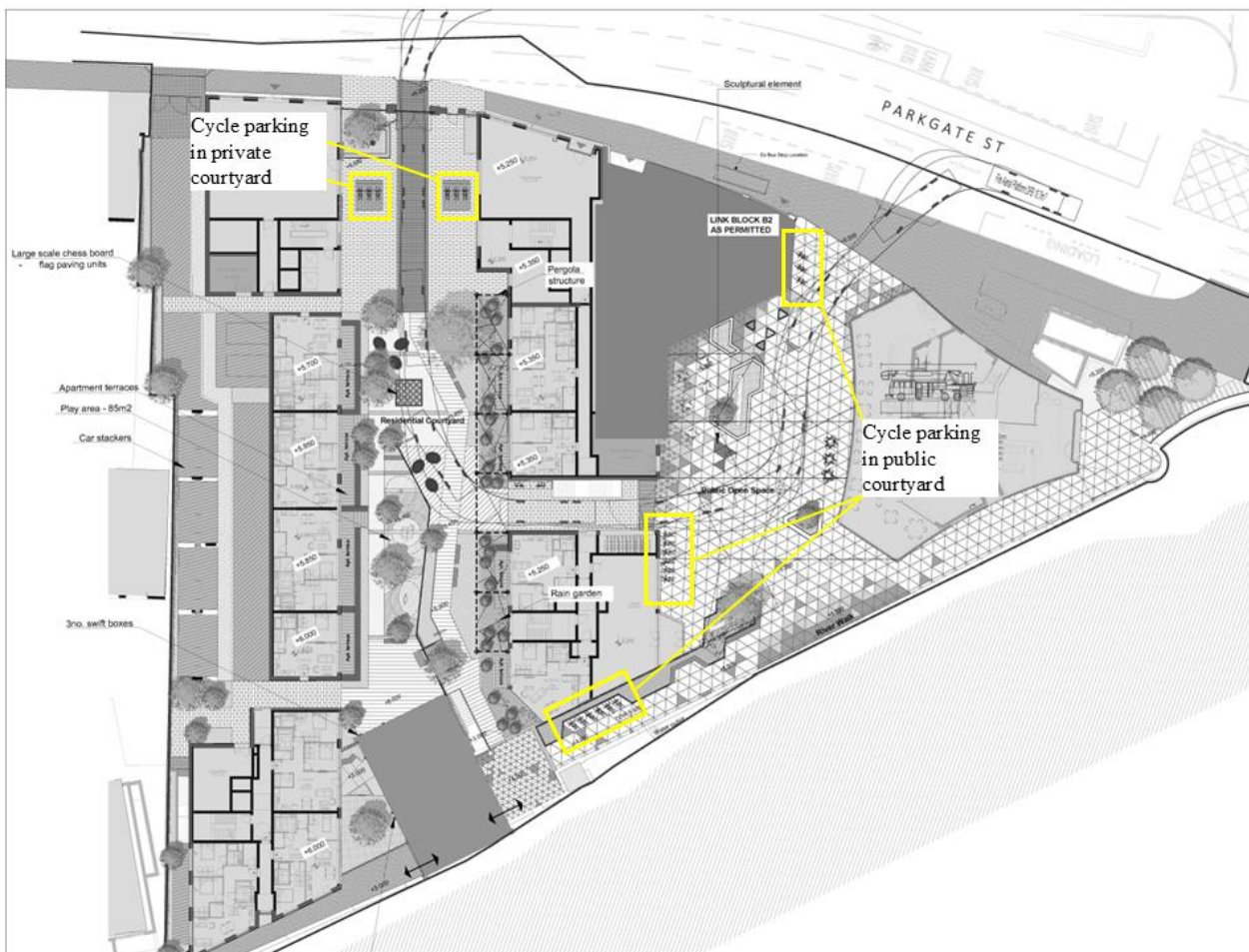


Figure 9 Visitor Cycle Parking Spaces

As part of the previously granted development it will be necessary to permanently re-locate DublinBikes Station No. 92 on Parkgate due to the provision of a loading bay in the current location of the station. The new location for the DublinBikes Station will be confirmed by DCC.

### **3.4 Car Parking**

As per the *Dublin City Development Plan*<sup>2</sup> the maximum permissible number of car parking spaces for this development would be 277 spaces, with 277 for the residential component of the development (0.5 per unit)

On the basis of the excellent sustainable transport conditions available, the proposals include the provision of very limited car parking. It is proposed that only 24 car parking spaces will be provided as part of the development, which is far below the maximum of 277 parking spaces, and a decrease of 2 from the previously granted permission.

The standard residential car parking spaces will be operated as a bespoke car club for the purpose of non-commuting trips for the residents of the apartments. These cars will be available for residents to use for trips where a car is required such as a shopping trip, weekend needs (family/day trips), occasional transport of bulky items, etc. This facility would be managed centrally and would operate on the basis of online bookings.

### **3.5 Vehicular Access**

#### **3.5.1 Car Access**

As per the previously granted permission, car drivers will access the site from Parkgate St in the north-western corner of the site to access the 24 ground level parking spaces.

#### **3.5.2 Waste Collection**

Waste collection will be centrally controlled, with two storage areas within the development. The collection will be carried-out from the external street and from the public courtyard, see Figure 10.

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<sup>2</sup> DCC, 2016. Dublin City Development Plan 2016-2022. Available at <https://www.dublincity.ie/sites/default/files/content/Planning/DublinCityDevelopmentPlan/Written%20Statement%20Volume%201.pdf>. Accessed 03/01/2020.







Figure 11 Proposed Emergency Access Route

## 4. Transport Impacts

### 4.1 Impact on Pedestrian and Cycle Networks

As per the previously granted planning application, pedestrian facilities and the public realm will be enhanced with this proposed development.

The eastern courtyard will be accessible to the public, allowing through access for pedestrians and providing a new public plaza with outdoor seating, landscaping, and entrances to the retail units.

A public river walk will be provided along the southern edge of the site, providing a view of the River Liffey and Heuston Station. The eastern end of the river walk will connect to the external footpath, providing more space for pedestrians at what is currently a constrained area of the footpath.

With regards to the impacts on the cycle network, this is envisaged to be negligible, as the capacity of the network is considered sufficient to accommodate the estimated cycle trips.

### 4.2 Impacts on the Public Transport Network

It is not envisaged that there will be any impact on public transport infrastructure as part of this development. The introduction of a large number of residential units, along with the minimal amount of car parking provided means that public transport usage will increase, which is a sustainable outcome supported by transport policy.

The wide availability of public transport options in the area, both in terms of the frequencies and the variety of areas directly served, means that there is ample capacity to serve the expected increase in demand arising from the development.

## **4.3 Traffic Impact**

### **4.3.1 Operational Traffic Impact**

As described in Section 3.4, the development will provide very limited car parking by means of a Car Club, which does not cater for peak time trips. These can be almost entirely undertaken on sustainable modes of transport such as walk, cycle and public transport.

On this basis, it is concluded that the peak time car trips generated by the development will be negligible in the context of the traffic volumes and road capacity in the wider area.

### **4.3.2 Construction Traffic Impact**

Similarly, the volumes of traffic associated with the construction activities is not envisaged to be notable in the context of the wider area road network.

Construction activities, including the necessary trips in and out of the site, will be managed to ensure that the impact on the surrounding environment is minimised. A Construction Stage Mobility Management Plan will be prepared by the Contractor with the aim to encourage staff to avail of the excellent sustainable transport opportunities provided by the site location.

## **5. Travel Plan**

### **5.1 Introduction**

A key objective of the development will be to promote sustainable access by all modes of transport. To achieve this goal, Travel Plans should be created for both the residential and the employment portions of the development with separate measures for each.

The proposed development should have Travel Plans prepared as and when the occupiers are known. At this stage, it is not possible to prepare full Travel Plans, but it is important to set out the aims and potential contents of such plans.

The primary objective of the Travel Plans should be to contribute to sustainable transport by optimising the existing transportation infrastructure, reducing car dependency, and creating awareness of alternative modes of transport.

### **5.2 Employment Travel Plan**

The primary aim of the Employment Travel Plan should be to emphasise and promote sustainable travel options through the development of planning and operational stages for the benefit of all end users and thereby to achieve the modal split targets for the building and support a limited provision of car parking.

The Travel Plan should set-out the methodology and approach that each commercial occupier will take in order to promote sustainable travel options amongst their workforce.

### **5.3 Residential Travel Plan**

The main objective of the Residential Travel Plan will be to influence the residents' travel habits from the outset of the development's occupation. Life events such as moving to a new apartment are the moments at which sustainable behavioural changes can be achieved, and so the moment the new residents move into the development is the best moment to influence the existing behavioural (or travel) patterns.

It is intended that, as a lease/sale condition, all occupants are required to adhere to the principles of sustainable travel as described in the Travel Plan.

## 5.4 Travel Plan Management

### 5.4.1 Travel Plan Coordinators

It is recommended that Travel Plan Coordinators are nominated for both the employment and residential elements to oversee the development and implementation of their respective Travel Plans. These coordinators should liaise on a regular basis to review the progress of the plan, and co-ordinate events.

A key objective of the Travel Plan should be co-ordinating with the occupiers to ensure that they are striving towards the targets set in the Travel Plan.

- To develop and support a culture of sustainable travel into and within the building
- To raise awareness of sustainable transport issues in the building
- To act as a single point of contact for all queries relating to the Travel Plan and transport issues in the area and to centrally coordinate the Travel Plan initiatives
- To coordinate the development and implementation of the Travel Plan
- To liaise with the National Transport Authority programme and channel learning and resources from the national Smarter Travel Workplace programme to the Area
- To liaise with external bodies and local public transport operators on transport issues in the area
- To liaise with car-sharing, and bike-sharing operators
- To promote smarter travel events in the area in conjunction with the Steering Group; and
- To coordinate the monitoring and reporting of the Travel Plan progress towards achieving targets, setting clear dates for actions to ensure that the Travel Plan makes progress.

### 5.4.2 Communication and Marketing

An on-going communication strategy will ensure that the initiatives being implemented are promoted to residents and throughout each organisation and all of the residents within the building. Events and initiatives will be promoted through a range of marketing means:

- Posters in breakout/common areas within office buildings and retail areas
- Circulation of emails to notify staff and residents of specific events
- Induction Manual containing information on all travel options available to staff and residents
- Organise and participate in wellness programmes (i.e. group walks, sponsored cycles, Pilate/yoga classes, etc.) to create a culture of wellbeing within the workplace which can also be extended to commuting patterns (i.e. walk/cycle)
- Organisation intranet will contain a section on travel to work which will be maintained and updated with relevant initiatives; and
- Quarterly newsletters will notify staff of any transport related changes coming up (additional bus routes/stops, new cycle parking locations etc.) and promote upcoming events. It will also report on events held in the previous quarter.

## 5.5 Travel Survey

Within three months of occupation of the proposed development a travel survey should be undertaken to determine a baseline transport modal split. This will allow baseline travel patterns to be established and targets to be set and will also be a forum for staff to comment on any issues relating to their commute. Following this, a travel survey will be carried out annually.

## 5.6 Action Plan

The Travel Plan Coordinators will oversee the promotion and implementation of promotional measures as outlined in the non-exhaustive list below. The Travel Plan Coordinators will set a timeline and targets for the actions.

The Travel Plans should set-out a number of mobility management measures that are relevant to the development. Table 5.1, Table 5.2 below list a selection of employment and residential measures that are considered applicable to the development.

**Table 5.1 Action Plan - Promotional Measures for Office occupiers**

<b>Cycling</b>
Conduct a site audit to gauge ease of access for cyclists coming on-site.
Survey and improve cycle parking to encourage cycling and cater for increase in demand.
Survey and improve cyclist' (and walkers') changing/storage/locker facilities to encourage cycling and cater for demand.
Install showers to cater for cyclists travelling longer distances by bike.
Provide a drying room for cyclists to air cycling clothes.
Introduce a Cycle to Work scheme and promote through in-house bike displays from suppliers.
Organise a Bike Maintenance class and provide cyclists' equipment (pump, repair kit etc.)
Display local area maps for cyclists/walkers interested in local routes.
Participate in National Bike Week events.
Provide fleet bikes for employees for business purposes.
Arrange tours of cycling facilities for interested / new employees.
<b>Public Transport</b>
Introduce & promote Tax Saver monthly & annual commuter tickets for public transport. Highlight potential savings to employees.
<b>Walking</b>
Promote walking through organised walking events / lunchtime walks.
Participate in an annual Pedometer Challenge.
Offer in-house health checks for people interested in getting more active.
Leave umbrellas at reception for employees to borrow on wet days.
<b>Business Travel</b>
Introduce a Travel Allowance that includes modes other than the car e.g. walking, cycling, public transport, car-sharing, drive-alone car.
Publicise DublinBikes registration for people interested in cycling (if applicable).
Re-examine overall business travel policy to incentivise alternatives to the single occupancy vehicle.
Make Smart Cards for public transport available for people to borrow when doing business travel (if applicable).
<b>Technology-Assisted Trip Reduction</b>
Offer and highlight teleconferencing or video-conferencing facilities.
Publicise sustainable transport options on the company website.
Promote homeworking policies.
<b>Other</b>
Develop and brand a marketing & communications plan.
Introduce an incentive scheme for commuters.
Include travel information in employee induction packs and online in an easily accessible location on your organisation's intranet.
Introduce parking management measures, e.g. permit parking, paid parking, or needs-based parking policies

**Table 5.2 Action Plan - Promotional Measures for Residents**

<b>Car-Club</b>
Implementation of a bespoke residential car-club.
<b>Cycling</b>
Organise a Bike Maintenance class.
Provide Cyclists' equipment (pump, puncture repair kit etc.).
Display local area maps for cyclists/walkers interested in local routes.
Publicise Dublin Bikes registration for people interested in cycling
Arrange tours of cycling facilities for residents.
<b>Public Transport</b>
Introduce & promote Tax Saver monthly & annual commuter tickets for public transport. Highlight potential savings to employees.
Offer in-house health checks for people interested in getting more active.
Leave umbrellas in lobbies for residents to borrow on wet days.

## 5.7 Monitoring and Review

An annual review will be carried out on each of the Travel Plans targets and action plan to assess progress.

Travel pattern data will be obtained by undertaking a survey of existing travel patterns (including at participating occupiers). A fundamental part of the Plans is monitoring to determine progress, identify problem areas and initiate corrective measures to ensure targets are achieved. This monitoring programme will be carried out on an on-going basis.

The basic procedure will consist of:

- Reviewing the implementation of the different Travel Plan measures
- Carrying out a travel survey
- Controlling the achievement of the different targets
- Proposing corrective measures if needed; and
- Informing Dublin City Council about the implementation and progress on the Travel Plans.

## 6. Conclusion

This report refers to alterations to Block B1 and C from a previously granted scheme, and the associated car and cycle parking allocations.

It has been clearly demonstrated that this site avails of excellent conditions with regards to sustainable transport, which provides an opportunity to propose a transport strategy that is based upon walk, cycle and public transport, rather than the use of private car, especially for commuting purposes.

It is therefore proposed that a limited car parking provision is based upon the innovative proposal for a bespoke car club, catering for the occasional needs of residents for car trips.

In addition, significant provision of cycle parking and proactive soft measures as part of a Travel Plan, will further encourage residents and employees alike to choose sustainable modes of transport for their journeys.

The transport strategy associated with the development also means that the traffic impact associated with the proposals is negligible.

# Appendix A

## DMURS Statement of Consistency

## Introduction

The Design Manual for Urban Roads and Streets (DMURS), published by Department of Transport, Tourism and Sport and the Department of Environment, Community and Local Government in 2013 and updated in 2015 and 2019, provides guidance relating to the design of urban roads and streets. It presents a series of principles, approaches and standards that are necessary to achieve balanced, best practice design outcomes with regard to networks and individual streets.

DMURS promotes and encourages four Key Design Principles which are:

- **Connected networks:** To support the creation of integrated street networks which promote higher levels of permeability and legibility for all users, and in particular more sustainable forms of transport
- **Multi-function areas:** The promotion of multi-functional, place-based streets that balance the needs of all users within a self-regulating environment
- **Pedestrian focus:** The quality of the street is measured by the quality of the pedestrian environment
- **Multidisciplinary approach:** Greater communication and co-operation between design professionals through the promotion of a plan-led, multidisciplinary approach to design.

## Appraisal of Proposals

The internal courtyards for the development were designed in compliance with DMURS principles and requirements. Key design elements ensuring this compliance are the following:

### Connected networks:

- The internal courtyard and public plaza areas are connected to the external network of footpaths, cycle facilities, public transport nodes and roads which ensures integration, connectivity and continuity for all transport networks for the development, including pedestrians, cyclists and public transport. This is enhanced with the help of the open nature of the public realm elements of the site.

### Multi-function areas:

- The internal courtyard and public plaza are designed to ensure safe and comfortable co-existence of different users. These areas are predominantly pedestrian focused; however, they accommodate the occasional movement of service vehicles through the site in order to access.

### Pedestrian focus:

- The public plaza will provide a new public space for all pedestrians in the area, providing a new public space in a key area of the city.

It will link seamlessly with the surrounding pedestrian footways, providing a more open feeling and increasing effective width of the footpaths.

### Multidisciplinary approach:

- All design elements of the courtyard and public plaza were developed in line with requirements and limitations associated with other design elements of the Parkgate Street development such as drainage, structures, utilities, landscape etc.

Overall, the public realm has been designed as an uncluttered environment, with only the strictly necessary signage, both vertical and horizontal, so as to ensure a comfortable and attractive environment for all users. The dimensions of vehicular infrastructure are such that, whilst adequately enabling all the necessary circulation and manoeuvring, also ensure that this is done at low speeds and in a safe manner. These features ensure legibility and comfort of the public realm within the development.

With the above features in place, the development re-balances the use of transport modes and places the pedestrian and cyclist ahead of the vehicle. With very little car parking spaces, the development is intended to further promote sustainable modes of transport and provide a new high quality public space in a key transport node of the city.